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* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
 NEWS 2 "Ask CAS" for self-help around the clock
 NEWS 3 SEP 09 CA/CAPplus records now contain indexing from 1907 to the
 present
 NEWS 4 AUG 05 New pricing for EUROPATFULL and PCTFULL effective
 August 1, 2003
 NEWS 5 AUG 13 Field Availability (/FA) field enhanced in BEILSTEIN
 NEWS 6 AUG 18 Data available for download as a PDF in RDISCLOSURE
 NEWS 7 AUG 18 Simultaneous left and right truncation added to PASCAL
 NEWS 8 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right
 Truncation
 NEWS 9 AUG 18 Simultaneous left and right truncation added to ANABSTR
 NEWS 10 SEP 22 DIPPR file reloaded
 NEWS 11 DEC 08 INPADOC: Legal Status data reloaded
 NEWS 12 SEP 29 DISSABS now available on STN
 NEWS 13 OCT 10 PCTFULL: Two new display fields added
 NEWS 14 OCT 21 BIOSIS file reloaded and enhanced
 NEWS 15 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced
 NEWS 16 NOV 24 MSDS-CCOHS file reloaded
 NEWS 17 DEC 08 CABA reloaded with left truncation
 NEWS 18 DEC 08 IMS file names changed
 NEWS 19 DEC 09 Experimental property data collected by CAS now available
 in REGISTRY
 NEWS 20 DEC 09 STN Entry Date available for display in REGISTRY and CA/CAPplus
 NEWS EXPRESS NOVEMBER 14 CURRENT WINDOWS VERSION IS V6.01c, CURRENT
 MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
 AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
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 NEWS WWW CAS World Wide Web Site (general information)

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* * * * * STN Columbus * * * * *

*ENCOMPAT - EnCompass Patent File 1964-present (Supporters)
 *ENCOMPAT2 - EnCompass Patent File 1964-Present (Non-Supporters)

* The files listed above are temporarily unavailable.

FILE 'HOME' ENTERED AT 17:38:58 ON 14 DEC 2003

L2 1 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 17:39:27 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 84502 TO ITERATE

100.0% PROCESSED 84502 ITERATIONS
SEARCH TIME: 00.00.02

53 ANSWERS

L3 53 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

148.15

148.36

FILE 'CAPLUS' ENTERED AT 17:39:32 ON 14 DEC 2003

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FILE COVERS 1907 - 14 Dec 2003 VOL 139 ISS 25

FILE LAST UPDATED: 12 Dec 2003 (20031212/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 15 L3

=> d l4 1-15 abs ibib hitstr

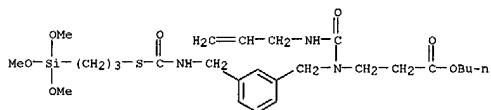
L4 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN
 AB Hydrolyzable silyl-contg. unsatd. org. compds. are represented by
 [R2(R3)p]W[(R1)q]n, W = org. group; m and n = .gtoreq.1 integer; p and q
 =
 0 or 1; (with either p or q = 1); R1 is NHCO or the like; R2 = org. group
 having an unsatd. bond; R3 = COO or the like; and X = alkoxy group-contg.
 moiety. Emulsions contg. polymers comprising monomer units therefrom are
 useful as constituents of adhesives, sealing materials, or coating
 materials. Michael addn. of equal mol. of .gamma.-
 aminopropyltrimethoxysilane (KBM 903) with isoamyl acrylate at 40 degree.
 for 2 days and reacting the adduct with equal mol. of triethylene glycol
 diacrylate gave
 CH2CHCO2(CH2CH2O)3COCH2CH2N[(CH2)3Si(OMe)3](CH2CH2CO2)2CH2CH
 2CHMe2) (I). Copolymn. of I, Bu acrylate, and Me methacrylate gave an
 emulsion coating for wood with good water resistance.
 ACCESSION NUMBER: 2002:977825 CAPLUS
 DOCUMENT NUMBER: 138:56392
 TITLE: Unsaturated organic compounds having hydrolyzable
 silyl groups, their polymers and emulsions for
 adhesives and coatings
 INVENTOR(S): Sato, Shinichi; Origuchi, Toshiaki; Sato, Akihiro;
 Ogawa, Shintaro; Kawashima, Koichiro; Inoue, Ayako;
 Mori, Shigeki; Nomura, Yukihiko
 PATENT ASSIGNEE(S): Konishi Co., Ltd., Japan
 SOURCE: PCT Int. Appl., 150 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002102812	A1	20021227	WO 2002-JP5821	20020612

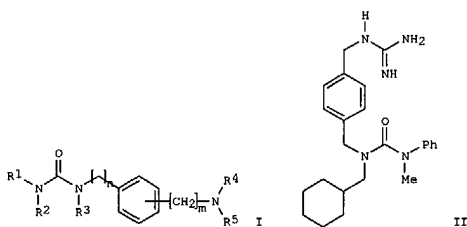
W: CN, JP, KR, US
 RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
 PT, SE, TR

PRIORITY APPLN. INFO.: JP 2001-178593 A 20010613
 JP 2001-178617 A 20010613

OTHER SOURCE(S): MARPAT 138:56392
 IT 479236-78-7P
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material
 use); PREP (Preparation); USES (Uses)
 (unsatd. org. compds. having hydrolyzable silyl groups, their polymers
 and emulsions for adhesives and coatings)
 RN 479236-78-7 CAPLUS
 CN .beta.-Alanine,
 N-[(3-(8,8-dimethoxy-3-oxo-9-oxa-4-thia-2-aza-8-siladec-1-
 yl)phenyl)methyl]-N-[(2-propenylamino)carbonyl]-, butyl ester (9CI) (CA
 INDEX NAME)



L4 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN
 GI



AB The title compds. [I; m, n = 1-3, and one or more of the hydrogens in
 such
 an alkylene-chain may optionally be substituted by alkyl, alkoxy or OH;
 or
 one or more of the methylene groups may optionally be substituted by a
 heteroatom such as O, N or S; R1 = H, alkyl, alkenyl, etc.; R2 = H,
 alkyl,
 alkenyl, etc.; R1 and R2 may optionally form a heterocyclic ring; R3 = H,
 alkyl, alkenyl, etc.; R4, R5 = H, alkyl, alkenyl, etc.; R4 and R5 may
 optionally form a heterocyclic ring; useful in therapy (no data), in
 particular in the management of pain, and also in treating
 gastrointestinal disorders, spinal injuries, and disorders of sympathetic
 nervous system, and, when isotopically labeled, as diagnostic agents,
 were
 prepd. E.g., a multi-step synthesis of II, starting with
 p-xylylenediamine, was given.
 ACCESSION NUMBER: 1999:819338 CAPLUS
 DOCUMENT NUMBER: 132:49803
 TITLE: Preparation of 1-(N-substituted)aminomethyl-4-(or
 3-)-guanidinomethylbenzenes useful in the management
 of pain
 INVENTOR(S): DeLoorme, Daniel; Gregor, Vlad; Roberts, Edward; Sun,
 Eric
 PATENT ASSIGNEE(S): Astra Pharma Inc., Can.; Astra AB
 SOURCE: PCT Int. Appl., 83 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

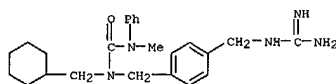
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9967204	A1	19991229	WO 1999-SE1075	19990616

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,
 DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,

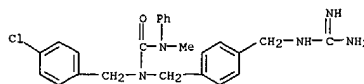
L4 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN (continued)
 REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

L4 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)
 JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,
 MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
 TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,
 MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,
 ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,
 CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 CA 2335528 AA 19991229 CA 1999-2335528 19990616
 AU 9948146 A1 20000110 AU 1999-48146 19990616
 EP 1089965 A1 20010411 EP 1999-931710 19990616
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, FI
 PRIORITY APPLN. INFO.: SE 1998-2209 A 19980622
 WO 1999-SE1075 W 19990616

OTHER SOURCE(S): MARPAT 132:49803
 IT 252956-25-5P 252956-26-6P 252956-27-7P
 252956-28-8P 252956-29-9P 252956-30-2P
 252956-31-3P 252956-32-4P 252956-33-5P
 252956-34-6P 252956-35-7P 252956-37-9P
 252956-38-0P
 RL: BRC (Biological activity or effector, except adverse); BSU
 (Biological
 study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
 BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of 1-(N-substituted)aminomethyl-4-(or 3-)-
 guanidinomethylbenzenes useful in the management of pain)
 RN 252956-25-5 CAPLUS
 CN Urea, N-[[4-[[[aminoiminomethyl]amino]methyl]phenyl]methyl]-N-
 (cyclohexylmethyl)-N'-methyl-N'-phenyl- (9CI) (CA INDEX NAME)

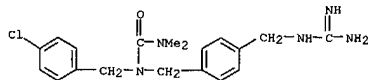


RN 252956-26-6 CAPLUS
 CN Urea, N-[[4-[[[aminoiminomethyl]amino]methyl]phenyl]methyl]-N-[[4-
 chlorophenyl]methyl]-N'-methyl-N'-phenyl- (9CI) (CA INDEX NAME)

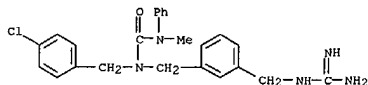


RN 252956-27-7 CAPLUS
 CN Urea, N-[[4-[[[aminoiminomethyl]amino]methyl]phenyl]methyl]-N-[[4-
 chlorophenyl]methyl]-N',N'-dimethyl- (9CI) (CA INDEX NAME)

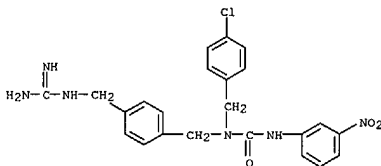
L4 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)



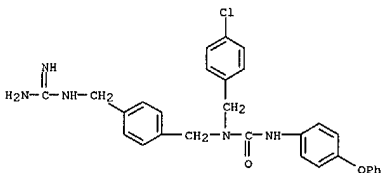
RN 252956-28-8 CAPLUS
CN Urea, N-[[4-[[[aminoiminomethyl]amino]methyl]phenyl]methyl]-N-[(4-chlorophenyl)methyl]-N'-methyl-N'-phenyl- (9CI) (CA INDEX NAME)



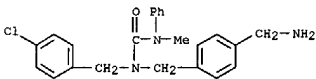
RN 252956-29-9 CAPLUS
CN Urea, N-[[4-[[[aminoiminomethyl]amino]methyl]phenyl]methyl]-N-[(4-chlorophenyl)methyl]-N'-methyl-N'-phenyl- (9CI) (CA INDEX NAME)



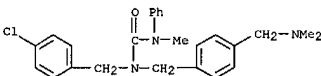
RN 252956-30-2 CAPLUS
CN Urea, N-[[4-[[[aminoiminomethyl]amino]methyl]phenyl]methyl]-N-[(4-chlorophenyl)methyl]-N'-methyl-N'-phenyl- (9CI) (CA INDEX NAME)



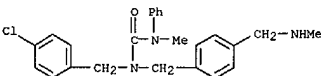
L4 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)



RN 252956-37-9 CAPLUS
CN Urea, N-[[4-[[[aminoiminomethyl]amino]methyl]phenyl]methyl]-N-[(4-chlorophenyl)methyl]-N'-methyl-N'-phenyl- (9CI) (CA INDEX NAME)



RN 252956-38-0 CAPLUS
CN Urea, N-[[4-[[[aminoiminomethyl]amino]methyl]phenyl]methyl]-N-[(4-chlorophenyl)methyl]-N'-methyl-N'-phenyl- (9CI) (CA INDEX NAME)

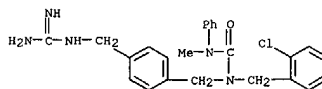


REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

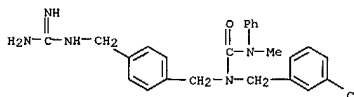
FORMAT

L4 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)

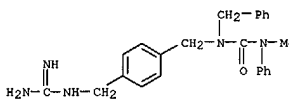
RN 252956-31-3 CAPLUS
CN Urea, N-[[4-[[[aminoiminomethyl]amino]methyl]phenyl]methyl]-N-[(2-chlorophenyl)methyl]-N'-methyl-N'-phenyl- (9CI) (CA INDEX NAME)



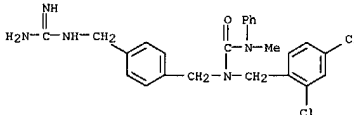
RN 252956-32-4 CAPLUS
CN Urea, N-[[4-[[[aminoiminomethyl]amino]methyl]phenyl]methyl]-N-[(3-chlorophenyl)methyl]-N'-methyl-N'-phenyl- (9CI) (CA INDEX NAME)



RN 252956-33-5 CAPLUS
CN Urea, N-[[4-[[[aminoiminomethyl]amino]methyl]phenyl]methyl]-N'-methyl-N'-phenyl-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 252956-34-6 CAPLUS
CN Urea, N-[[4-[[[aminoiminomethyl]amino]methyl]phenyl]methyl]-N-[(2,4-dichlorophenyl)methyl]-N'-methyl-N'-phenyl- (9CI) (CA INDEX NAME)



RN 252956-35-7 CAPLUS
CN Urea, N-[[4-[[[aminoiminomethyl]amino]methyl]phenyl]methyl]-N-[(4-chlorophenyl)methyl]-N'-methyl-N'-phenyl- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN
AB Title compds. T-Z-CONHCH(CH2B)CO-Y-(CH2)nR [I; T = (un)substituted Ph, naphthyl, heteroarom., N, O, S, or TITC2U; T1, T2 = (un)substituted Ph; U = H, alkoxy, OPh; Z = bond, O, NH, CH2, CH2CH2, CH2O, CH2NH; B = amidine-contg. group; Y = O, NR1; R1 = H, (un)substituted alkyl, CH2Ph; n = 1-3; R = (un)substituted Ph], neuropeptide Y antagonists, were prepd. Thus, (R)-R2NHC(:NH)NH(CH2)3CH(NHR3)CONHR4 [II; R2 = 2,2,5,7,8-pentamethylchroman-6-sulfonyl (Pmc); R3 = Emoc; R4 = CH2C6H4CH2NHCO2CH2Ph-4] was prepd. from Emoc-D-Arg(Pmc)OH and 4-PhCH2O2CNHCH2C6H4CH2CONH2, Fmoc-protected, and diphenylacetylated, to give II (R2 = Pmc; R3 = COCHPh2; R4 = CH2C6H4CH2NH2-4), which was N-acetylated and deprotected to give II-trifluoroacetate (R2 = H; R3 = COCHPh2; R4 = CH2C6H4CH2NHAc-4).

I showed activity as neuropeptide Y antagonists in both in vitro (at 10-8 to 10-5 M) and in vivo tests (at 0.001 to 10 mg/kg).

ACCESSION NUMBER: 1997:473595 CAPLUS
DOCUMENT NUMBER: 127:81788
TITLE: Preparation of amino acid derivatives as neuropeptide Y antagonists
INVENTOR(S): Engel, Wolfhard; Eberlein, Wolfgang; Rudolf, Klaus; Doods, Henri; Wiselard, Heike-Andrea; Willim, Klaus-Dieter; Entzeroth, Michael; Wienen, Wolfgang
PATENT ASSIGNEE(S): Dr. Karl Thomae GmbH, Germany
SOURCE: Ger. Offen., 117 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19544687	A1	19970605	DE 1995-19544687	19951130
WO 9719911	A1	19970605	WO 1996-EP5222	19961126
W: CA, JP, MX, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 885186	A1	19981223	EP 1996-941032	19961126
EP 885186	B1	20030326		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2000501390	T2	20000208	JP 1997-520166	19961126
AT 235459	E	20030415	AT 1996-941032	19961126
US 6114390	A	20000905	US 1997-950113	19971014
PRIORITY APPLN. INFO.: DE 1995-19544687 A 19951130				
WO 1996-EP5222 W 19961126				
US 1998-945048 A 19980210				

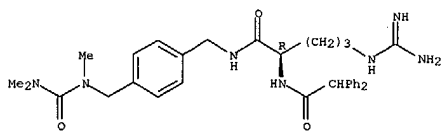
OTHER SOURCE(S): MARPAT 127:81788
IT 191869-72-4P 191869-73-5P 191869-76-8P
191869-77-9P 191869-79-1P 191869-80-4P
191869-96-2P 191869-97-3P

RI: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of amino acid derivs. as neuropeptide Y antagonists)

RN 191869-72-4 CAPLUS
CN Benzeneacetamide, N-[4-[[[aminoiminomethyl]amino]-1-[[[4-[[[dimethylamino]carbonyl]methylamino]methyl]phenyl]methyl]amino]carbonyl

L4 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)
[butyl]-.alpha.-phenyl-, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

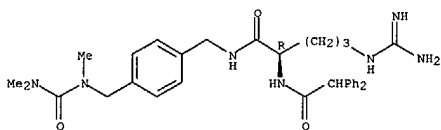


RN 191869-73-5 CAPLUS
CN Benzeneacetamide, N-[4-[(aminoiminomethyl)amino]-1-[[[4-[[[dimethylamino]carbonyl]methylamino]methyl]phenyl]methyl]amino]carbonyl]butyl]-.alpha.-phenyl-, (R)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 191869-72-4
CMF C32 H41 N7 O3

Absolute stereochemistry.



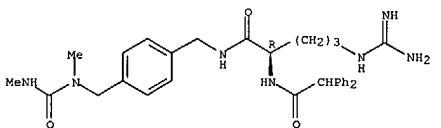
CM 2

CRN 76-05-1
CMF C2 H F3 O2



RN 191869-76-8 CAPLUS
CN Benzeneacetamide, N-[1-[[[4-[[[aminocarbonyl]methylamino]methyl]phenyl]methyl]amino]carbonyl]butyl]-.alpha.-phenyl-, (R)- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)

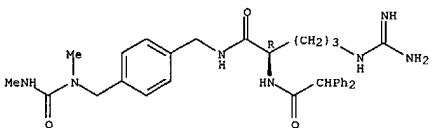


RN 191869-80-4 CAPLUS
CN Benzeneacetamide, N-[4-[(aminoiminomethyl)amino]-1-[[[4-[[[methyl]amino]carbonyl]amino]methyl]phenyl]methyl]amino]carbonyl]butyl]-.alpha.-phenyl-, (R)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 191869-79-1
CMF C31 H39 N7 O3

Absolute stereochemistry.



CM 2

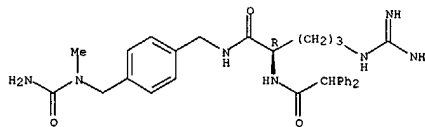
CRN 76-05-1
CMF C2 H F3 O2



RN 191869-96-2 CAPLUS
CN Carbamic acid, [[[[4-[[[5-[(aminoiminomethyl)amino]-2-[[[diphenylacetyl]amino]-1-oxopentyl]amino]methyl]phenyl]methyl]methylamino]carbonyl]-, ethyl ester, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)
Absolute stereochemistry.

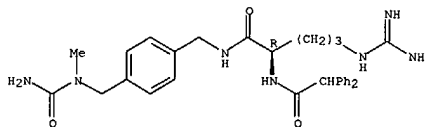


RN 191869-77-9 CAPLUS
CN Benzeneacetamide, N-[1-[[[4-[[[aminocarbonyl]methylamino]methyl]phenyl]methyl]amino]carbonyl]-4-[(aminoiminomethyl)amino]butyl]-.alpha.-phenyl-, (R)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 191869-76-8
CMF C30 H37 N7 O3

Absolute stereochemistry.



CM 2

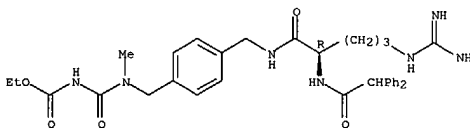
CRN 76-05-1
CMF C2 H F3 O2



RN 191869-79-1 CAPLUS
CN Benzeneacetamide, N-[4-[(aminoiminomethyl)amino]-1-[[[4-[[[methyl]amino]carbonyl]amino]methyl]phenyl]methyl]amino]carbonyl]butyl]-.alpha.-phenyl-, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)

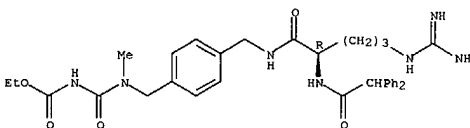


RN 191869-97-3 CAPLUS
CN Carbamic acid, [[[[4-[[[5-[(aminoiminomethyl)amino]-2-[[[diphenylacetyl]amino]-1-oxopentyl]amino]methyl]phenyl]methyl]methylamino]carbonyl]-, ethyl ester, (R)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 191869-96-2
CMF C33 H41 N7 O5

Absolute stereochemistry.



CM 2

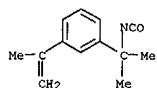
CRN 76-05-1
CMF C2 H F3 O2



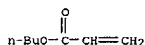
IT 191869-71-3P 191869-75-7P 191869-78-0P
191869-95-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of amino acid derivs. as neuropeptide Y antagonists)
RN 191869-71-3 CAPLUS
CN Benzeneacetamide, N-[4-[[[[[3,4-dihydro-2,2,5,7,8-pentamethyl-2H-1-benzopyran-6-yl]sulfonyl]amino]imino]methyl]amino]-1-[[[4-[[[dimethylamino]carbonyl]methylamino]methyl]phenyl]methyl]amino]carbonyl]

L4 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)

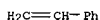
CM 2
CRN 2094-99-7
CMF C13 H15 N O



CM 3
CRN 141-32-2
CMF C7 H12 O2

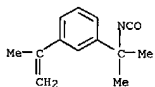


CM 4
CRN 100-42-5
CMF C8 H8

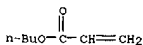


L4 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)

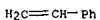
CM 2
CRN 2094-99-7
CMF C13 H15 N O



CM 3
CRN 141-32-2
CMF C7 H12 O2



CM 4
CRN 100-42-5
CMF C8 H8



L4 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN
AB The title compns. contain (A) copolymers from m-isopropenyl-
.alpha..alpha.-dimethylbenzyl isocyanate (I) 1-80, C1-18 alky
(meth)acrylate 1-80, and .alpha..beta.-ethylenically unsatd. monomers
1-80 and (B) polyisocyanates at A/B NCO ratio 0.1:9.9 to 9.9:0.1. A
mixt. of 0.5 part dehydrating agent and 17 parts xylene 17 130.degree.

was treated with a mixt. of styrene 10, Bu acrylate 30, I 10, chain-transfer
agent 1, and Perbutyl I 2 parts over 3 h, and the mixt. was aged for 3 h
and mixed with 50 parts HMDI cyclic trimer to give a copolymer compn.
giving molded products with compression strength 95 kg/cm2, bending
strength 45 kg/cm2, and water permeation 2.0 times. 10-2 cm/s with good
weather, yellowing, water, oil, gasoline, alkali, and acid resistance.

ACCESSION NUMBER: 1995:293854 CAPLUS
DOCUMENT NUMBER: 122:136253
TITLE: Weather-resistant moisture curable compositions for
binders for water-permeable pavements
INVENTOR(S): Yanagiuchi, Kazuo; Urushibara, Nobuyuki; Yamazaki,
Keiju
PATENT ASSIGNEE(S): Taisei Kako Co., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

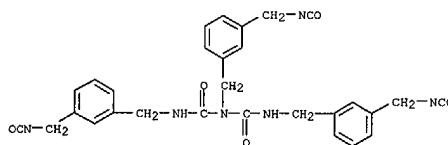
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06172483	A2	19940621	JP 1992-198744	19920724
JP 07068324	B4	19950726		

PRIORITY APPLN. INFO.: JP 1992-198744 19920724
IT 160173-91-1P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material
use); PREP (Preparation); USES (Uses)
(weather-resistant moisture-curable compns. for binders for
water-permeable pavements)

RN 160173-91-1 CAPLUS
CN 2-Propenoic acid, butyl ester, polymer with ethenylbenzene,
1-(1-isocyanato-1-methylethyl)-3-(1-methylethenyl)benzene and
N,N',2-tris[[3-(isocyanatomethyl)phenyl]methyl]imidodicarbonic
(9CI) (CA INDEX NAME)

CM 1
CRN 139184-52-4
CMF C29 H26 N6 O5



L4 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN
AB The microcapsules are prepd. by reacting
(OCNCH2Z1CH2)N(CONHCH2Z2NCO) (CONH
CH2Z3CH2NCO) (Z1-3 = arylene) with .gtoreq.1 substance selected from H2O,
polyvalent amines, and polyvalent alcs. In the thermal recording
material

with a heat-sensitive layer contg. a colorless color former (A) and a
colorless color developer (B), .gtoreq.1 of A and B is microencapsulated
in the above-mentioned microcapsules. The microcapsules have good
storage

stability and good substance-permeability on heating.

ACCESSION NUMBER: 1994:90920 CAPLUS
DOCUMENT NUMBER: 120:90920
TITLE: Microcapsules for thermal recording material
INVENTOR(S): Itabashi, Juichi; Igarashi, Akira
PATENT ASSIGNEE(S): Fuji Photo Film Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

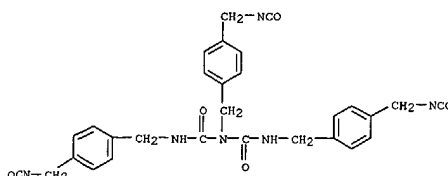
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05168911	A2	19930702	JP 1991-357776	19911225

PRIORITY APPLN. INFO.: JP 1991-357776 19911225
IT 152601-30-4

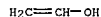
RL: USES (Uses)
(microcapsule shells, for encapsulated color formers for thermal
recording materials)

RN 152601-30-4 CAPLUS
CN Imidodicarbonic diamide,
N,N',2-tris[[4-(isocyanatomethyl)phenyl]methyl]-,
polymer with ethenol (9CI) (CA INDEX NAME)

CM 1
CRN 116721-70-1
CMF C29 H26 N6 O5



CM 2
CRN 557-75-5

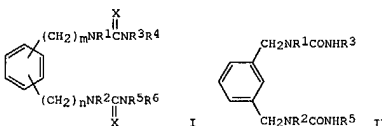
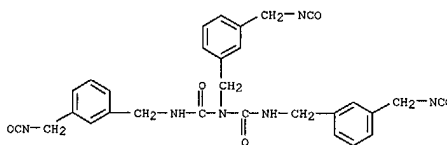


L4 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2003 ACS ON STN
 AB Aerated lightwt. concrete is coated with a primer and a layer of an inorg. material contg. Si alkoxides having general formula R₁Si(OR₂)_{4-n} (R₁ = Me or Et; R₂ = C₁₋₄-alkyl; n = 0, 1 or 2) and/or their partial hydrolyzates. The primer comprises isocyanate prepolymer having .gtoreq.2 isocyanate groups/mol 100, org. Si compd. having .gtoreq.1 mercapto group and .gtoreq.2 alkoxy groups/mol 1-100, plasticizer 5-100, epoxy resin-modified silicone resin and/or epoxy resin-silicone resin mixt. 0-100, and org. Sn compd. and/or org. acid Sn salt 0.01-30 wt. parts. Aerated lightwt. concrete was coated with a primer consisting of isocyanate prepolymer 100, dioctyl phthalate 20, epoxy resin-modified silicone resin 20, .gamma.-mercaptopropyltrimethoxysilane 12, dibutyltin dilaurate 0.5, and Et acetate 30 wt. parts, and with a mixt. consisting of methyltrimethoxysilane 100, tetraethoxysilane 20, colloidal SiO₂ 105, dimethyldimethoxysilane 5, and Me₂CHOH 100 wt. parts, and baked at 150.degree. for 1 h. The coating strongly adhered to the concrete and had high resistance to weathering and freezing.

ACCESSION NUMBER: 1992:112306 CAPLUS
 DOCUMENT NUMBER: 116:112306
 TITLE: Weather-resistant, high-hardness, inorganic coatings for aerated lightweight concrete
 INVENTOR(S): Seto, Kazuo; SuiKyo, Masahiro; Shimada, Yukio; Shimizu, Chuki; Nagaka, Hisayuki
 PATENT ASSIGNEE(S): Matsushita Electric Works, Ltd., Japan; Toshiba Silicone Co., Ltd.
 SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp. CODEN: JKXXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03223188	A2	19911002	JP 1990-17387	19900126
PRIORITY APPLN. INFO.:				
IT 139184-52-4			JP 1990-17387	19900126

RI: USES (Uses)
 [primers contg., for weather-resistant siloxane-based top coating on aerated lightwt. concrete]
 RN 139184-52-4 CAPLUS
 CN Imidodicarbonic diamide, N,N',2-tris[[3-(isocyanatomethyl)phenyl]methyl]-(9CI) (CA INDEX NAME)



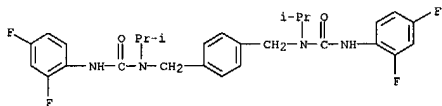
AB Title compds. I [R₁, R₂ = alkyl, (alkyl-substituted) cycloalkyl; R₃-R₆ = H, alkyl, cycloalkyl, aralkyl, pyridyl, Ph; X = O, S; m, n = 1-6] are prepd. I are useful for controlling accumulation of cholesterol ester on the smooth muscle of arterial walls. Treatment of N,N'-dicycloheptyl-mxylenediamine (prepn. given) with 2,4-difluorophenylisocyanate in hexane gave II (R₁ = R₂ = cycloheptyl, R₃ = R₅ = 2,4-F₂C₆H₃). The latter showed an IC₅₀ of 1.8 .times. 10⁻⁸ M against ACAT.

ACCESSION NUMBER: 1990:55271 CAPLUS
 DOCUMENT NUMBER: 112:55271
 TITLE: Bis(ureidoalkyl)benzenes for inhibition of acylcoenzyme A cholesterol acyltransferase (ACAT)
 INVENTOR(S): Ito, Noriki; Yasunaga, Tomoyuki; Iizumi, Yuichi; Araki, Tomio
 PATENT ASSIGNEE(S): Yamamouchi Pharmaceutical Co., Ltd., Japan
 SOURCE: Eur. Pat. Appl., 46 pp. CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

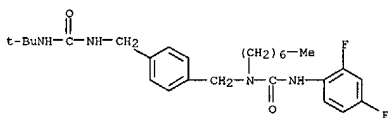
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 325397	A1	19890726	EP 1989-300380	19890117
EP 325397	B1	19930818		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
CN 1034538	A	19890809	CN 1989-100286	19890114
CN 1021819	B	19930818		
AT 93230	E	19930915	AT 1989-300380	19890117
ES 2059714	T3	19941116	ES 1989-300380	19890117
HU 50116	A2	19891228	HU 1989-211	19890118
HU 207843	B	19930628		
DK 8900222	A	19890721	DK 1989-222	19890119
JP 02117651	A2	19900502	JP 1989-11717	19890119
AU 8928669	A1	19891005	AU 1989-28669	19890120
AU 627439	B2	19920827		
US 5091419	A	19920225	US 1990-593516	19901002
US 5166429	A	19921124	US 1991-764617	19910924
US 5227492	A	19930713	US 1992-906735	19920630
US 5384425	A	19950124	US 1993-64850	19931007
PRIORITY APPLN. INFO.:				
			JP 1988-10098	19880120
			JP 1988-180119	19880719
			US 1989-296443	19890111
			EP 1989-300380	19890117
			US 1990-592604	19901004

L4 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)
 US 1991-764604 19910924
 US 1991-764617 19910924
 US 1992-906735 19920630

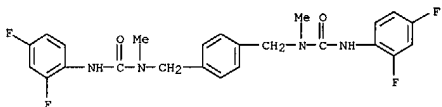
OTHER SOURCE(S): MARPAT 112:55271
 IT 124884-56-6P 124884-57-7P 124884-59-9P
 124884-60-2P 124884-64-6P 124884-65-7P
 124884-66-8P 124884-67-9P 124884-68-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of, as acyl CoA cholesterol acyl-transferase inhibitor)
 RN 124884-56-6 CAPLUS
 CN Urea,
 N,N'-[1,4-phenylenebis(methylene)]bis[N'-(2,4-difluorophenyl)-N-(1-methylethyl)- (9CI) (CA INDEX NAME)]



RN 124884-57-7 CAPLUS
 CN Urea,
 N-[[4-[[[[(2,4-difluorophenyl)amino]carbonyl]heptylamino]methyl]phenyl]methyl]-N'-(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)]

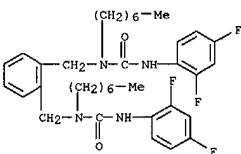


RN 124884-59-9 CAPLUS
 CN Urea, N,N'-[1,4-phenylenebis(methylene)]bis[N'-(2,4-difluorophenyl)-N-methyl- (9CI) (CA INDEX NAME)]

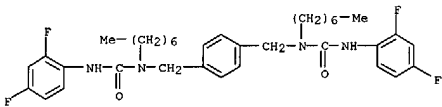


RN 124884-60-2 CAPLUS
 CN Urea, N,N'-[1,3-phenylenebis(methylene)]bis[N-decyl-N'-(2,4-difluorophenyl)- (9CI) (CA INDEX NAME)]

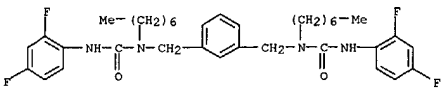
L4 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)



RN 124884-67-9 CAPLUS
 CN Urea, N,N'-[1,4-phenylenebis(methylene)]bis[N'-(2,4-difluorophenyl)-N-heptyl- (9CI) (CA INDEX NAME)]

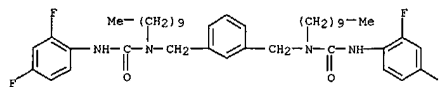


RN 124884-68-0 CAPLUS
 CN Urea, N,N'-[1,3-phenylenebis(methylene)]bis[N'-(2,4-difluorophenyl)-N-heptyl- (9CI) (CA INDEX NAME)]

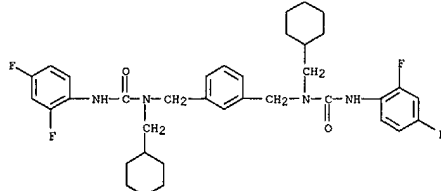


RN 117688-90-1 CAPLUS
 CN 4-Morpholinecarboximidamide,
 N,N'-[1,3-phenylenebis(methylene)]bis[N,N'-dicyclohexyl- (9CI) (CA INDEX NAME)]

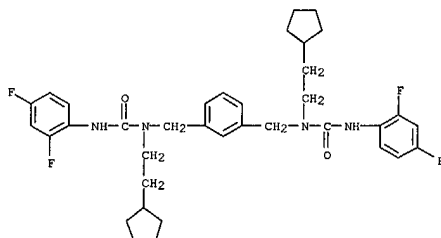
L4 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)



RN 124884-64-6 CAPLUS
 CN Urea,
 N,N'-[1,3-phenylenebis(methylene)]bis[N-(cyclohexylmethyl)-N'-(2,4-difluorophenyl)- (9CI) (CA INDEX NAME)]

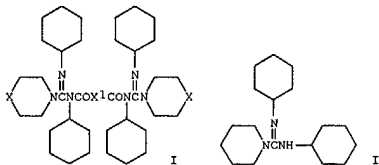


RN 124884-65-7 CAPLUS
 CN Urea, N,N'-[1,3-phenylenebis(methylene)]bis[N-(2-cyclopentylethyl)-N'-(2,4-difluorophenyl)- (9CI) (CA INDEX NAME)]

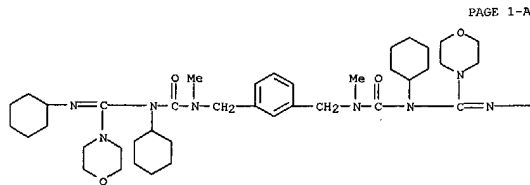


RN 124884-66-8 CAPLUS
 CN Urea, N,N'-[1,2-phenylenebis(methylene)]bis[N'-(2,4-difluorophenyl)-N-heptyl- (9CI) (CA INDEX NAME)]

L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN
 GI



AB Screening of compds. for inhibition of ADP-induced platelet aggregation in vitro revealed hexamethylenebis(cyclohexyl[(cyclohexylimino)(morpholinyl)methyl]urea] I [X = O, X1 = NH(CH2)6NH] was active and was the 1st example of a bis(acylguanidine) with possible antithrombotic activity. To develop a structure-activity relationship for this class of compds. a no. of bis(acylguanidines) [e.g., I, X = CH2, X1 = NH(CH2)6NH; X = O, X1 = 1,4-piperazinediyl] were synthesized. Thus, piperidine reacted with dicyclohexylcarbodiimide to give the guanidine II, which on treatment with OCN(CH2)6NCO gave 55% I [X = CH2, X1 = NH(CH2)6NH]. Ex vivo testing revealed a no. of analogs [e.g., I, X = CH2, X1 = NH(CH2)6NH; X = O, X1 = 1,4-piperazinediyl] were orally active in rats or guinea pigs.
 ACCESSION NUMBER: 1989:38957 CAPLUS
 DOCUMENT NUMBER: 110:38957
 TITLE: Synthesis of acylguanidine analogs: inhibitors of ADP-induced platelet aggregation
 AUTHOR(S): Thomas, Edward W.; Nishizawa, Edward E.; Zimmermann, David C.; Williams, Davey J.
 CORPORATE SOURCE: Upjohn Co., Kalamazoo, MI, 49001, USA
 SOURCE: Journal of Medicinal Chemistry (1989), 32(1), 228-36
 CODEN: JMCMAR; ISSN: 0022-2623
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 110:38957
 IT 117688-90-1P
 RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. and platelet aggregation inhibiting activity of)
 RN 117688-90-1 CAPLUS
 CN 4-Morpholinecarboximidamide,
 N,N'-[1,3-phenylenebis(methylene)]bis[N,N'-dicyclohexyl- (9CI) (CA INDEX NAME)]



PAGE 1-B



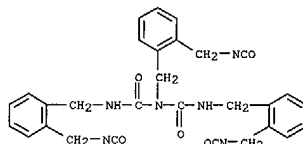
L4 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN
 AB The title polyisocyanates are prepd. from gtoeq.1 (cyclo)aliph. or arylaliph. diisocyanate and biuretization agents, and are purified by treatment with liquefied or supercrit. inert gases. Hexanediiisocyanate (I) biuret (86 g) contg. 8.8% free I was treated with 600 and 1000 g supercrit. CO₂ (40.degree./200 bar) in a column, giving residual I 0.04 and 0.015%, resp.

ACCESSION NUMBER: 1988:550218 CAPLUS
 DOCUMENT NUMBER: 109:150218
 TITLE: Process for the isolation and purification of polyisocyanates containing biuret groups
 INVENTOR(S): Blind, Andre; Robin, Jean
 PATENT ASSIGNEE(S): Rhone-Poulenc Chimie, Fr.
 SOURCE: Eur. Pat. Appl., 7 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

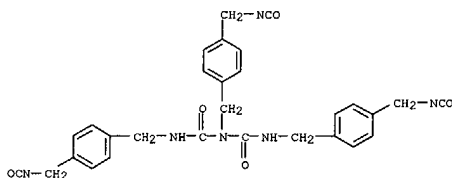
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 263044	A2	19880406	EP 1987-420256	19870924
EP 263044	A3	19881109		
EP 263044	B1	19910710		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
FR 2604433	A1	19880401	FR 1986-13783	19860930
FR 2604433	B1	19881209		
AT 65079	E	19910715	AT 1987-420256	19870924
JP 63096171	A2	19880427	JP 1987-241040	19870928
JP 02036590	B4	19900817		

PRIORITY APPLN. INFO.: FR 1986-13783 19860930
 EP 1987-420256 19870924

IT 116721-69-8P 116721-70-1P
 RL: PUR (Purification or recovery); PREP (Preparation)
 (purifn. of, by extn. with supercrit. or liquefied gases)
 RN 116721-69-8 CAPLUS
 CN Imidodicarbonic diamide, N,N',2-tris[[2-(isocyanatomethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)



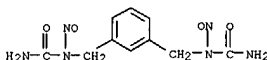
RN 116721-70-1 CAPLUS
 CN Imidodicarbonic diamide, N,N',2-tris[[4-(isocyanatomethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)



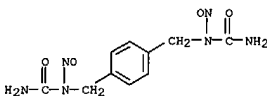
L4 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN
 AB Among 93 compds. synthesized in this institute, some nitrosoareas, nitroguanidines and pyridazines were effective against AH-13 cells, and some nitrosoareas and bis(2-chloroethyl)amino methylpyridazine derivs. were effective against L-1210 cells.

ACCESSION NUMBER: 1977:577554 CAPLUS
 DOCUMENT NUMBER: 87:177554
 TITLE: Antitumor effects of compounds synthesized in the department of synthetic chemistry
 AUTHOR(S): Anzai, Michiko; Suzuki, Ikuo; Kamiya, Shozo; Nakashima, Toshiaki; Nakadate, Masahiro; Nakamura, Akitada; Sueyoshi, Shoko; Tanno, Masayuki; Miyahara, Makoto; et al.
 CORPORATE SOURCE: Natl. Inst. Hyg., Tokyo, Japan
 SOURCE: Eisei Shikensho Hokoku (1976), (94), 148-59
 CODEN: ESKHA5; ISSN: 0077-4715
 DOCUMENT TYPE: Journal
 LANGUAGE: Japanese

IT 64773-92-8 64773-93-9
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study) (neoplasm inhibiting activity of)
 RN 64773-92-8 CAPLUS
 CN Urea, N,N'-(1,3-phenylenebis(methylene))bis[N-nitroso-] (9CI) (CA INDEX NAME)



RN 64773-93-9 CAPLUS
 CN Urea, N,N'-(1,4-phenylenebis(methylene))bis[N-nitroso-] (9CI) (CA INDEX NAME)



L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN
 AB Urea group-contg. diisocyanates were prepd. by reaction of diisocyanates with diamines contg. secondary amine groups and used for the manuf. of polyurethane coatings, lacquers, or polyurethane foams. Thus, reaction of

OCN(CH₂)₆NCO with m-(iso-PrNHCH₂)₂C₆H₄ at 60 deg. gave m-bis[[1-isopropyl-3-(6-isocyanatoethyl)ureido]methyl]benzene (I) [34569-36-3] of 14.5% NCO content. A paste contg. 50 parts polyester (10.1% OH-group content) from 3 moles phthalic acid and 4 moles trimethylolpropane, and 53 parts TiO₂ in 50 parts 1:1:1:1 PhMe-EtOAc-BuOAc-AcOCH₂CH₂OMe (A), was mixed with 90 parts A, 1.1 parts poly(vinyl methyl ether), and 86 parts I in 50 parts 1:1 xylene-AcOCH₂CH₂OEt to give a lacquer. Wood, metal, or glass was coated with this lacquer and hardened 3 days to give phthalic acid-trimethylolpropane-m-bis[[1-isopropyl-3-(6-isocyanatoethyl)ureido]methyl]benzene copolymer [34557-95-4] films fast to solvent.

ACCESSION NUMBER: 1972:128021 CAPLUS
 DOCUMENT NUMBER: 76:128021
 TITLE: Urea group-containing diisocyanates for polyurethanes
 INVENTOR(S): Dietrich, Werner; Eifler, Willi; Wagner, Kuno
 PATENT ASSIGNEE(S): Farbenfabriken Bayer A.-G.
 SOURCE: Ger. Offen., 18 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2032547	A	19720113	DE 1970-2032547	19700701
DE 2032547	B2	19760616		
DE 2032547	C3	19770203		
ES 392743	A1	19740716	ES 1971-392743	19710630
BE 769387	A1	19711116	BE 1971-105384	19710701
FR 2100138	AS	19720317	FR 1971-24163	19710701
GB 1341444	A	19731219	GB 1971-30787	19710701
US 3943158	A	19760309	US 1973-394710	19730906

PRIORITY APPLN. INFO.:
 DE 1970-2032547 19700701
 US 1971-155606 19710622

IT 34557-95-4
 RL: TEM (Technical or engineered material use); USES (Uses) (coatings)
 RN 34557-95-4 CAPLUS
 CN 1,2-Benzenedicarboxylic acid, polymer with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and N,N'-(1,3-phenylenebis(methylene))bis[N'-(6-isocyanatoethyl)-N-(1-methylethyl)urea] (9CI) (CA INDEX NAME)

CM 1
 CRN 34569-36-3
 CMF C30 H48 N6 O4

L4 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN
 AB Polyols are mixed with polyisocyanates contg. semicarbazide, carbazate, or

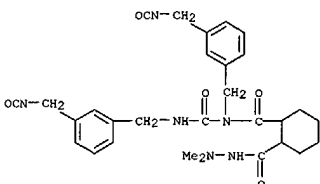
asym. dialkyl carboxylic hydrazide groups, to give polyurethane varnish compns. which are resistant to discoloration on thermal aging. Thus, 50 parts polyester prepd. from phthalic acid and trimethylolpropane and contg. 10.1% OH groups was dissolved in 50 parts 1:1:1 EtOAc-dBuOAc-MeO(CH₂)₂OAc and the soln. was made into a paste with 53 parts TiO₂. The paste (90 parts) was mixed with 1.1 parts poly(Me vinyl ether) and a varnish compn. formed by mixing 224 parts paste with 75 parts 75% EtOAc soln. of Me₂NNHCOO(CH₂)₆NCO. The varnish was applied to wool, metal, or glass, and dried 8-10 hr to give Koenig pendulum hardness 170 and Erichsen indentation 6.1. The coating was heated 2 hr at 220 degree, and remained clear and light yellow in color. A similar compn. prepd. using OCN(CH₂)₆NCO became dark yellow on heating.

ACCESSION NUMBER: 1970:112904 CAPLUS
 DOCUMENT NUMBER: 72:112904
 TITLE: Polyurethane plastic materials
 PATENT ASSIGNEE(S): Farbenfabriken Bayer A.-G.
 SOURCE: Fr., 21 pp.
 CODEN: FRXXAK
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 1580013		19690829		
DE 1720711			DE	
GB 1235213			GB	
US 3647848		19720000	US	

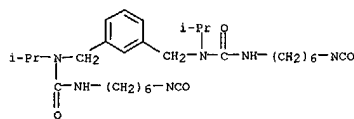
PRIORITY APPLN. INFO.:
 DE 1720711 19670918
 IT 26506-66-1 28021-33-2
 RL: USES (Uses)

RN 26506-66-1 CAPLUS
 CN Cyclohexanecarboxylic acid, 2-[2,4-bis[[m-(isocyanatomethyl)benzyl]allophanoyl]-, 2,2-dimethylhydrazide (8CI) (CA INDEX NAME)



RN 28021-33-2 CAPLUS
 CN Allophanic acid, 2,4-bis[[m-(isocyanatomethyl)benzyl]-, 2,2-dimethylhydrazide (8CI) (CA INDEX NAME)

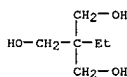
L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)



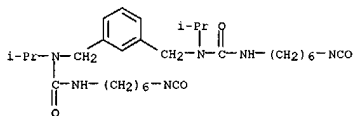
CM 2
 CRN 88-99-3
 CMF C8 H6 O4



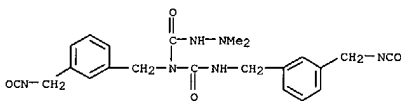
CM 3
 CRN 77-99-6
 CMF C6 H14 O3



IT 34569-36-3P
 RL: PREP (Preparation) (manuf. of, for urethane polymer prepn.)
 RN 34569-36-3 CAPLUS
 CN Urea, N,N'-(1,3-phenylenebis(methylene))bis[N'-(6-isocyanatoethyl)-N-(1-methylethyl)- (9CI) (CA INDEX NAME)



L4 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)



L4 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2003 ACS ON STN
 AB Prepn. of title elastomers is described. Thus, a mixt. of 93.6 g. polycaprolactone glycol (av. mol. wt. 1040) and 40.5 g. 4,4'-diphenylmethane diisocyanate was heated 90 min. under N at 95.degree. and cooled to room temp. The product was mixed with 300 g. AcNMe2 and treated with 21.9 g. p-xylenedis(N,N'-bis(.beta.-hydroxyethyl)urea) in 150 g. AcNMe2 and aged 8 hrs. at 45.degree.. A 25% soln. was extruded through a 0.12-mm. nozzle into a 210.degree. air stream at 320 m./min., giving an elastic thread, tensile strength 0.81 g./denier, elongation 620%, stress relaxation 76%.

ACCESSION NUMBER: 1969:525887 CAPLUS
 DOCUMENT NUMBER: 71:125887
 TITLE: Polyurethane elastomer.
 INVENTOR(S): Nakayama, Chozo; Suzuki, Isamu; Ichikawa, Kiyoshi
 PATENT ASSIGNEE(S): Asahi Chemical Industry Co., Ltd.
 SOURCE: Jpn. Tokkyo Koho, 4 pp.
 CODEN: JAXXAD
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JF 44020640	B4	19690904	JP	19651210

IT 26062-57-7

RI: USES (Uses)
 (fiber-forming heat-stable)

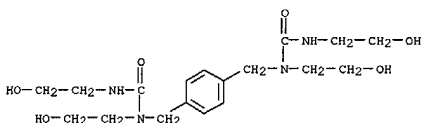
RN 26062-57-7 CAPLUS

CN Isocyanic acid, methylenedi-p-phenylene ester, polymer with 2-oxepanone and 1,1'-(p-phenylenedimethylene)bis(1,3-bis(2-hydroxyethyl)urea) (8CI) (CA INDEX NAME)

CM 1

CRN 23873-28-1

CMF C18 H30 N4 O6



CM 2

CRN 502-44-3

CMF C6 H10 O2

L4 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2003 ACS ON STN
 GI For diagram(s), see printed CA Issue.
 AB Comps. of general formula I are prepd., where R1 is H or dihaloacetyl, R2 is H, carbamoyl, or dihaloacetyl, and R1, R2, R3, or R4 is H, lower alkyl, lower alkoxy, or halo. Thus, 150 g. H2NNH2 was added to a soln. of 17.5 g. 1,4-xylylene dichloride in 100 ml. MeCN at 95.degree.. The mixt. was refluxed 3 hrs., concd., crystd. from EtOH, and recrystd. from iso-PrOH-water to give 1.6 g. 1,4-xylylenedihydrazine-2HCl (II), m. 233-40.degree.. Similarly, 17.5 g. 2,5-dimethyl-1,4-xylylene dichloride gave 9.5 g. (2,5-dimethyl-1,4-xylylene)dihydrazine di-HCl, m. >300.degree.. II (12 g.) in 150 ml. water and 8.1 g. KCN in 150 ml. water were stirred and combined to give 3.1 g. of 1,4-xylylenebis(2'-semicarbazide), m. 230-1.degree. (decompn.). A mixt. of 4.8 g. II, 6.0

g. Cl2CHCOCl (III), and 150 ml. of PhMe was refluxed 6 hrs. and cooled to give 1,4-xylylenebis[2'-(dichloroacetyl)hydrazine] di-HCl, m. 277-9.degree. (MeCN). II (5.0 g.), 15 g. III, and 150 ml. PhMe similarly gave 1,4-xylylenebis[1',2'-bis(dichloroacetyl)hydrazine], m. 269-70.degree. (HOAc). To a soln. of 17.6 g. NaOH in 400 ml. water was added 200 ml. ethylene dichloride. The mixt. was cooled to 0.degree., treated with 23.9 g. II and then slowly with a soln. of 32.4 g. III in 50 ml. ethylene dichloride, and then filtered cold to give 1,4-xylylenebis[1'-(dichloroacetyl)hydrazine], m. 205-6.degree. (MeCN), after decolorizing with C. 1,4-Xylylenedihydrazine (2.4 g.) and 2.6 g. NaOAc in 100 ml. water was treated with a soln. of 2.4 g. of salicylaldehyde in 10 ml. EtOH, heated and stirred 30 min., and cooled to give 2.4 g. of disalicylidene-1,4-xylylenedihydrazine, m. 181-2.degree. (HOAc). These comps. are antibacterial and amebicidal and inhibit monoamine oxidase.

ACCESSION NUMBER: 1965:462714 CAPLUS
 DOCUMENT NUMBER: 63:62714
 ORIGINAL REFERENCE NO.: 63:11427c-f
 TITLE: Xylylenedihydrazines and derivatives
 INVENTOR(S): Surrey, Alexander R.
 PATENT ASSIGNEE(S): Sterling Drug Inc.
 SOURCE: 3 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3196177		19650720	US	19630509

IT 4384-13-8, Semicarbazide, 2,2'-(p-phenylenedimethylene)di-
 4384-14-9, Semicarbazide, 2,2'-(p-phenylenedimethylene)bis[1-benzylidene-
 (prepn. of)

RN 4384-13-8 CAPLUS

CN Semicarbazide, 2,2'-(p-phenylenedimethylene)di- (7CI, 8CI) (CA INDEX NAME)

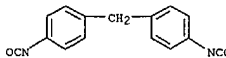
L4 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2003 ACS ON STN (Continued)



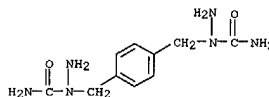
CM 3

CRN 101-68-8

CMF C15 H10 N2 O2

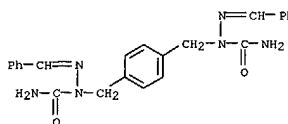


L4 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2003 ACS ON STN (Continued)



RN 4384-14-9 CAPLUS

CN Benzaldehyde, 2,2'-(p-phenylenedimethylene)disemicarbazone (7CI, 8CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
74.30	222.66

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-9.77	-9.77

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